Amendments to the Specification

Page 8, the first full paragraph, lines 8 to 19, replace the paragraph with:

Fig. 2 shows a structure of a disk array device, which is described as an example of the first storage device 10 and the second ~~and~~ 20. Instead to of the disk array device, the first and second storage devices 10 and 20 may be any appropriate devices, such as, for example, semiconductor storage devices. For example, the disk array device 10 is equipped with various components including a channel control section 201, a remote communications interface 202, disk control sections 203, a shared memory 204, a cache memory 205, a switching control section 206 that is composed of cross bus switches that communicatively connect the components described above, a management terminal 207, and memory devices 208. The first and second storage devices 10 and 20 may have the same structure.

Pages 20-21, page 20, line 5 to page 21, line 2, replace the paragraph with:

Referring to FIG. 11, an example of a process flow in forming pairs will be described. In this example, it is assumed that the first storage device 10 is equipped with a third logical volume and a fifth logical volume, and the second storage device 20 is equipped with a fourth logical volume and a sixth logical volume. The information processing device 11 transmits a command to the first storage device 10 and the second storage device 20 for forming a pair of the third logical volume as

being a primary volume 1101 and the fourth logical volume as being an auxiliary volume 1102, and a pair of the fifth logical volume as being a primary journal 1103 and the sixth logical volume as being an auxiliary journal 1104 (S1101, S1102). The pair management sections 704 of the first and second storage devices 10 and 20 store information indicating the states of the pairs in the pair management tables 1001 of the respective storage devices 10 and 20. The copy forming section 705 of the second storage device 20 transmits to the first storage device 10 a read request to read data in the primary volume; and upon receiving from the first storage device 10 a copy of the data in the primary volume, the second storage device 20 writes the data in the auxiliary volume (S1103). By this operation, the data in the primary volume and the data in the auxiliary volume can be matched with each other. A processing that brings the primary volume in conformity with the auxiliary volume by a pair forming instruction is called an "initial copy" processing.

Page 21, first full paragraph, line 3 to line 17, replace the paragraph with:

Also, the journal storage section 707 of the first storage device 10 starts a processing to obtain a copy of the data written in the primary volume and its positional information in the primary journal. The correlation between the primary volume and the primary journal is described hereunder with reference to FIG. 12. The primary journal is composed of a meta data region 1201 and a journal data region 1202. The journal storage section 707 of the first storage device 10 stores a

copy of the data written in the primary volume (hereinafter referred to as "journal data") in the journal data region 1202. Also, the journal storage section 707 of the first storage device 10 stores in the meta data region 1201 the time when data 1203 is updated in the primary volume, LBA(s) 1204 of the data 1203, LBA(s) ~~1206~~1205 of the journal data 1206 in the corresponding journal data region, and the data length of the updated data. Also, the auxiliary journal is composed of a meta data region 1201 and a journal data region 1202 like the primary journal.